4164-01-P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Food and Drug Administration

[Docket No. FDA-2004-N-0451]

Food and Drug Administration Modernization Act of 1997: Modifications to the List of Recognized Standards, Recognition List Number: 057

AGENCY: Food and Drug Administration, Health and Human Services (HHS).

ACTION: Notice.

SUMMARY: The Food and Drug Administration (FDA or Agency) is announcing a publication containing modifications the Agency is making to the list of standards FDA recognizes for use in premarket reviews (FDA Recognized Consensus Standards). This publication, entitled "Modifications to the List of Recognized Standards, Recognition List Number: 057" (Recognition List Number: 057), will assist manufacturers who elect to declare conformity with consensus standards to meet certain requirements for medical devices.

DATES: Submit either electronic or written comments on the notice at any time. These modifications to the list of recognized standards are applicable [INSERT DATE OF PUBLICATION IN THE *FEDERAL REGISTER*].

ADDRESSES: You may submit comments on the current list of FDA Recognized Consensus Standards at any time as follows:

Electronic Submissions

Submit electronic comments in the following way:

• Federal eRulemaking Portal: https://www.regulations.gov. Follow the instructions for submitting comments. Comments submitted electronically, including attachments, to https://www.regulations.gov will be posted to the docket unchanged. Because your comment will be made public, you are solely responsible for ensuring that your comment does not include any confidential information that you or a third party may not wish to be

posted, such as medical information, your or anyone else's Social Security number, or confidential business information, such as a manufacturing process. Please note that if you include your name, contact information, or other information that identifies you in the body of your comments, that information will be posted on https://www.regulations.gov.

• If you want to submit a comment with confidential information that you do not wish to be made available to the public, submit the comment as a written/paper submission and in the manner detailed (see "Written/Paper Submissions" and "Instructions").

Written/Paper Submissions

Submit written/paper submissions as follows:

- Mail/Hand delivery/Courier (for written/paper submissions): Dockets Management Staff (HFA-305), Food and Drug Administration, 5630 Fishers Lane, Rm. 1061, Rockville, MD 20852.
- For written/paper comments submitted to the Dockets Management Staff, FDA will post your comment, as well as any attachments, except for information submitted, marked and identified, as confidential, if submitted as detailed in "Instructions."

Instructions: All submissions received must include the Docket No. FDA-2004-N-0451 for "Food and Drug Administration Modernization Act of 1997: Modifications to the List of Recognized Standards, Recognition List Number: 057." Received comments will be placed in the docket and, except for those submitted as "Confidential Submissions," publicly viewable at https://www.regulations.gov or at the Dockets Management Staff between 9 a.m. and 4 p.m., Monday through Friday, 240-402-7500. FDA will consider any comments received in determining whether to amend the current listing of modifications to the list of recognized standards, Recognition List Number: 057.

Confidential Submissions--To submit a comment with confidential information that you
do not wish to be made publicly available, submit your comments only as a written/paper

submission. You should submit two copies total. One copy will include the information you claim to be confidential with a heading or cover note that states "THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION". The Agency will review this copy, including the claimed confidential information, in its consideration of comments. The second copy, which will have the claimed confidential information redacted/blacked out, will be available for public viewing and posted on https://www.regulations.gov. Submit both copies to the Dockets Management Staff. If you do not wish your name and contact information to be made publicly available, you can provide this information on the cover sheet and not in the body of your comments and you must identify this information as "confidential." Any information marked as "confidential" will not be disclosed except in accordance with 21 CFR 10.20 and other applicable disclosure law. For more information about FDA's posting of comments to public dockets, see 80 FR 56469, September 18, 2015, or access the information at:

https://www.govinfo.gov/content/pkg/FR-2015-09-18/pdf/2015-23389.pdf.

Docket: For access to the docket to read background documents or the electronic and written/paper comments received, go to https://www.regulations.gov and insert the docket number, found in brackets in the heading of this document, into the "Search" box and follow the prompts and/or go to the Dockets Management Staff, 5630 Fishers Lane, Rm. 1061, Rockville, MD 20852, 240-402-7500.

An electronic copy of Recognition List Number: 057 is available on the internet at https://www.fda.gov/MedicalDevices/DeviceRegulationandGuidance/Standards/ucm123792.htm

. See section IV for electronic access to the searchable database for the current list of FDA-recognized consensus standards, including Recognition List Number: 057 modifications and other standards-related information. Submit written requests for a single hard copy of the document entitled "Modifications to the List of Recognized Standards, Recognition List Number: 057" to Scott Colburn, Center for Devices and Radiological Health, Food and Drug

Administration, 10903 New Hampshire Ave., Bldg. 66, Rm. 5606, Silver Spring, MD 20993, 301-796-6287. Send one self-addressed adhesive label to assist that office in processing your request, or Fax your request to 301-847-8144.

FOR FURTHER INFORMATION CONTACT: Scott Colburn, Center for Devices and Radiological Health, Food and Drug Administration, 10903 New Hampshire Ave., Bldg. 66, Rm. 5606, Silver Spring, MD 20993, 301-796-6287, CDRHStandardsStaff@fda.hhs.gov.

SUPPLEMENTARY INFORMATION:

I. Background

Section 204 of the Food and Drug Administration Modernization Act of 1997 (Pub. L. 105-115) amended section 514 of the Federal Food, Drug, and Cosmetic Act (FD&C Act) (21 U.S.C. 360d). Amended section 514 allows FDA to recognize consensus standards developed by international and national organizations for use in satisfying portions of device premarket review submissions or other requirements.

In the *Federal Register* of September 14, 2018 (83 FR 46738), FDA announced the availability of a guidance entitled "Appropriate Use of Voluntary Consensus Standards in Premarket Submissions for Medical Devices." The guidance describes how FDA has implemented its standards recognition program and is available at https://www.fda.gov/regulatory-information/search-fda-guidance-documents/appropriate-use-voluntary-consensus-standards-premarket-submissions-medical-devices. Modifications to the initial list of recognized standards, as published in the *Federal Register*, can be accessed at https://www.fda.gov/medical-devices/standards-and-conformity-assessment-program/federal-register-documents.

These notices describe the addition, withdrawal, and revision of certain standards recognized by FDA. The Agency maintains on its website hypertext markup language (HTML) and portable document format (PDF) versions of the list of FDA Recognized Consensus Standards, available at https://www.fda.gov/medical-devices/standards-and-conformity-

assessment-program/federal-register-documents. Additional information on the Agency's Standards and Conformity Assessment Program is available at https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance/standards-and-conformity-assessment-program.

II. Modifications to the List of Recognized Standards, Recognition List Number: 057

FDA is announcing the addition, withdrawal, correction, and revision of certain consensus standards the Agency is recognizing for use in premarket submissions and other requirements for devices. FDA is incorporating these modifications to the list of FDA Recognized Consensus Standards in the Agency's searchable database. FDA is using the term "Recognition List Number: 057" to identify the current modifications.

In table 1, FDA describes the following modifications: (1) the withdrawal of standards and their replacement by others, if applicable; (2) the correction of errors made by FDA in listing previously recognized standards; and (3) the changes to the supplementary information sheets of recognized standards that describe revisions to the applicability of the standards.

In section III, FDA lists modifications the Agency is making that involve new entries and consensus standards added as modifications to the list of recognized standards under Recognition List Number: 057.

| Old | Replacement | Title of Standard ¹ | Change | | |
|-------------|------------------------------|---|------------------------|--|--|
| Recognition | Recognition | | | | |
| No. | No. | | | | |
| | A. Anesthesiology | | | | |
| | No new entries at this time. | | | | |
| | | B. Biocompatibility | | | |
| 2-275 | | ISO 10993-7 Second edition 2008-10-15 Biological | Title change. | | |
| | | evaluation of medical devices Part 7: Ethylene | | | |
| | | oxide sterilization residuals [Including: Technical | | | |
| | | Corrigendum 1 (2009), AMENDMENT 1: | | | |
| | | Applicability of allowable limits for neonates and | | | |
| | | infants (2019)]. | | | |
| 2-284 | 2-292 | USP-NF M98833_01_01 <87> Biological Reactivity | Withdrawn and replaced | | |
| | | Test, In Vitro - Direct Contact Test. | with newer version. | | |
| 2-285 | 2-293 | USP-NF M98833_01_01 <87> Biological Reactivity | Withdrawn and replaced | | |
| | | Test, In Vitro - Elution Test. | with newer version. | | |
| 2-286 | 2-294 | USP-NF M98834_01_01 <88> Biological Reactivity | Withdrawn and replaced | | |
| | | Tests, In Vivo. | with newer version. | | |
| 2-287 | 2-295 | USP-NF M98900_01_01 <151> Pyrogen Test (USP | Withdrawn and replaced | | |
| | | Rabbit Test). | with newer version. | | |

| Ol4 | | The 1Modifications to the List of Recognized Standards | |
|--|---|---|--|
| Old | Replacement | Title of Standard ¹ | Change |
| Recognition | Recognition | | |
| No. | No. | | |
| | | C. Cardiovascular | |
| 3-88 | 3-171 | ASTM F2514-21 Standard Guide for Finite Element | Withdrawn and replaced |
| 3-00 | 3-1/1 | | |
| | | Analysis (FEA) of Metallic Vascular Stents Subjected | with newer version. |
| | | to Uniform Radial Loading. | |
| 3-99 | 3-172 | AAMI TIR42:2021 Evaluation of particulate | Withdrawn and replaced |
| | | associated with vascular medical devices. | with newer version. |
| 3-133 | 3-173 | ISO 5840-3 Second edition 2021-01 Cardiovascular | Withdrawn and replaced |
| | | implants Cardiac valve prostheses Part 3: Heart | with newer version. |
| | | valve substitutes implanted by transcatheter | |
| | | techniques. | |
| 2 145 | 2 174 | | XX':4 1 1 1 1 |
| 3-145 | 3-174 | ISO 5840-1 Second edition 2021-01 Cardiovascular | Withdrawn and replaced |
| | | implants Cardiac valve prostheses Part 1: | with newer version. |
| | | General requirements. | |
| 3-147 | 3-175 | ISO 5840-2 Second edition 2021-01 Cardiovascular | Withdrawn and replaced |
| | | implants Cardiac valve prostheses Part 2: | with newer version. |
| | | Surgically implanted heart valve substitutes. | |
| | | D. Dental/Ear, Nose, and Throat (ENT) | |
| 4.00 | 1 | | ****** 1 |
| 4-89 | | ANSI/ADA Standard No. 53 - 2008 (R2013) | Withdrawn. |
| | | Polymer-Based Crown and Bridge Materials. | |
| 4-282 | 4-284 | ISO 10873 Second edition 2021-07 Dentistry | Withdrawn and replaced |
| | | Denture adhesives. | with newer version. |
| | E. (| General I (Quality Systems/Risk Management) (QS/RM) | |
| 5-117 | 5-134 | ISO 15223-1 Fourth edition 2021-07 Medical devices | Withdrawn and replaced |
| 5 117 | 3 13 1 | - Symbols to be used with medical device labels, | with newer version. |
| | | | with newer version. |
| | | labelling, and information to be supplied Part 1: | |
| | | General requirements. | |
| | | II (Electrical Safety/Electromagnetic Compatibility) (ES | |
| 19-34 | 19-41 | ANSI/UL 61010-1 3rd Ed, dated May 12, 2012 with | Withdrawn and replaced |
| | | revision through July 19, 2019 Standard for Safety for | with newer version. |
| | | Electrical Equipment For Measurement, Control and | |
| | | Laboratory Use; Part 1: General Requirements. | |
| | G | General Hospital/General Plastic Surgery (GH/GPS) | |
| 6-365 | 6-464 | ISO 11040-4 Third edition 2015-04-01 Prefilled | W:41-4 |
| 0-303 | 0-404 | | Withdrawn and replaced |
| | | syringes Part 4: Glass barrels for injectables and | with newer version. |
| | | sterilized subassembled syringes ready for filling | |
| | | [Including AMENDMENT 1 (2020)]. | |
| 6-451 | 6-465 | USP-NF M76090 03 01 Sodium Chloride Irrigation. | Withdrawn and replaced |
| | | | with newer version |
| (150 | | TIOD NEW 47 (070 02 01 C 1' 011 '1 T ' ' | |
| 0-437 | 6-466 | USP-NF M76070 03 01 Sodium Chloride Injection | Withdrawn and replaced |
| 6-452 | 6-466 | USP-NF M76070_03_01 Sodium Chloride Injection. | Withdrawn and replaced |
| | | | with newer version |
| 6-452 | 6-466 | USP-NF M80200_04_01 Nonabsorbable Surgical | with newer version Withdrawn and replaced |
| 6-453 | 6-467 | USP-NF M80200_04_01 Nonabsorbable Surgical Suture. | with newer version Withdrawn and replaced with newer version |
| | | USP-NF M80200_04_01 Nonabsorbable Surgical | with newer version Withdrawn and replaced with newer version Withdrawn and replaced |
| 6-453 | 6-467 | USP-NF M80200_04_01 Nonabsorbable Surgical Suture. | with newer version Withdrawn and replaced with newer version |
| 6-453 | 6-467 | USP-NF M80200_04_01 Nonabsorbable Surgical Suture. USP-NF M99670_02_01 <881> Tensile Strength. | with newer version Withdrawn and replaced with newer version Withdrawn and replaced |
| 6-453 6-454 | 6-467 | USP-NF M80200_04_01 Nonabsorbable Surgical Suture. | with newer version Withdrawn and replaced with newer version Withdrawn and replaced with newer version Withdrawn and replaced |
| 6-453 6-454 6-455 | 6-467 6-468 6-469 | USP-NF M80200_04_01 Nonabsorbable Surgical Suture. USP-NF M99670_02_01 <881> Tensile Strength. USP-NF M99650_02_01 <861> Sutures - Diameter. | with newer version Withdrawn and replaced with newer version Withdrawn and replaced with newer version Withdrawn and replaced with newer version |
| 6-453 6-454 | 6-467 | USP-NF M80200_04_01 Nonabsorbable Surgical Suture. USP-NF M99670_02_01 <881> Tensile Strength. USP-NF M99650_02_01 <861> Sutures - Diameter. USP-NF M99660_03_01 <871> Sutures - Needle | with newer version Withdrawn and replaced with newer version |
| 6-453 6-454 6-455 6-456 | 6-467 6-468 6-469 6-470 | USP-NF M80200_04_01 Nonabsorbable Surgical Suture. USP-NF M99670_02_01 <881> Tensile Strength. USP-NF M99650_02_01 <861> Sutures - Diameter. USP-NF M99660_03_01 <871> Sutures - Needle Attachment. | with newer version Withdrawn and replaced with newer version |
| 6-453 6-454 6-455 | 6-467 6-468 6-469 | USP-NF M80200_04_01 Nonabsorbable Surgical Suture. USP-NF M99670_02_01 <881> Tensile Strength. USP-NF M99650_02_01 <861> Sutures - Diameter. USP-NF M99660_03_01 <871> Sutures - Needle | with newer version Withdrawn and replaced |
| 6-453 6-454 6-455 6-456 6-457 | 6-467 6-468 6-469 6-470 6-471 | USP-NF M80200_04_01 Nonabsorbable Surgical Suture. USP-NF M99670_02_01 <881> Tensile Strength. USP-NF M99650_02_01 <861> Sutures - Diameter. USP-NF M99660_03_01 <871> Sutures - Needle Attachment. USP-NF M88880_05_01 Sterile Water for Irrigation. | with newer version Withdrawn and replaced with newer version |
| 6-453 6-454 6-455 6-456 | 6-467 6-468 6-469 6-470 | USP-NF M80200_04_01 Nonabsorbable Surgical Suture. USP-NF M99670_02_01 <881> Tensile Strength. USP-NF M99650_02_01 <861> Sutures - Diameter. USP-NF M99660_03_01 <871> Sutures - Needle Attachment. | with newer version Withdrawn and replaced with newer version |
| 6-453 6-454 6-455 6-456 6-457 | 6-467 6-468 6-469 6-470 6-471 | USP-NF M80200_04_01 Nonabsorbable Surgical Suture. USP-NF M99670_02_01 <881> Tensile Strength. USP-NF M99650_02_01 <861> Sutures - Diameter. USP-NF M99660_03_01 <871> Sutures - Needle Attachment. USP-NF M88880_05_01 Sterile Water for Irrigation. | with newer version Withdrawn and replaced with newer version |
| 6-453 6-454 6-455 6-456 6-457 6-458 | 6-467 6-468 6-469 6-470 6-471 | USP-NF M80200_04_01 Nonabsorbable Surgical Suture. USP-NF M99670_02_01 <881> Tensile Strength. USP-NF M99650_02_01 <861> Sutures - Diameter. USP-NF M99660_03_01 <871> Sutures - Needle Attachment. USP-NF M88880_05_01 Sterile Water for Irrigation. USP-NF M36660_04_01 Heparin Lock Flush Solution. | with newer version Withdrawn and replaced with newer version |
| 6-453 6-454 6-455 6-456 6-457 | 6-467 6-468 6-469 6-470 6-471 | USP-NF M80200_04_01 Nonabsorbable Surgical Suture. USP-NF M99670_02_01 <881> Tensile Strength. USP-NF M99650_02_01 <861> Sutures - Diameter. USP-NF M99660_03_01 <871> Sutures - Needle Attachment. USP-NF M88880_05_01 Sterile Water for Irrigation. USP-NF M36660_04_01 Heparin Lock Flush | with newer version Withdrawn and replaced |
| 6-453 6-454 6-455 6-456 6-457 6-458 | 6-467 6-468 6-469 6-470 6-471 | USP-NF M80200_04_01 Nonabsorbable Surgical Suture. USP-NF M99670_02_01 <881> Tensile Strength. USP-NF M99650_02_01 <861> Sutures - Diameter. USP-NF M99660_03_01 <871> Sutures - Needle Attachment. USP-NF M88880_05_01 Sterile Water for Irrigation. USP-NF M36660_04_01 Heparin Lock Flush Solution. USP-NF M80190_04_01 Absorbable Surgical Suture. | with newer version Withdrawn and replaced with newer version |
| 6-453 6-454 6-455 6-456 6-457 6-458 | 6-467 6-468 6-469 6-470 6-471 | USP-NF M80200_04_01 Nonabsorbable Surgical Suture. USP-NF M99670_02_01 <881> Tensile Strength. USP-NF M99650_02_01 <861> Sutures - Diameter. USP-NF M99660_03_01 <871> Sutures - Needle Attachment. USP-NF M88880_05_01 Sterile Water for Irrigation. USP-NF M36660_04_01 Heparin Lock Flush Solution. USP-NF M80190_04_01 Absorbable Surgical Suture. H. In Vitro Diagnostics (IVD) | with newer version Withdrawn and replaced |
| 6-453 6-454 6-455 6-456 6-457 6-458 | 6-467 6-468 6-469 6-470 6-471 | USP-NF M80200_04_01 Nonabsorbable Surgical Suture. USP-NF M99670_02_01 <881> Tensile Strength. USP-NF M99650_02_01 <861> Sutures - Diameter. USP-NF M99660_03_01 <871> Sutures - Needle Attachment. USP-NF M88880_05_01 Sterile Water for Irrigation. USP-NF M36660_04_01 Heparin Lock Flush Solution. USP-NF M80190_04_01 Absorbable Surgical Suture. | with newer version Withdrawn and replaced |

| | | ble 1Modifications to the List of Recognized Standards | |
|-------------|-------------|--|--|
| Old | Replacement | Title of Standard ¹ | Change |
| Recognition | Recognition | | |
| No. | No. | | |
| 8-103 | 8-563 | ASTM F1801-20 Standard Practice for Corrosion | Withdrawn and replaced |
| | | Fatigue Testing of Metallic Implant Materials. | with newer version. |
| 8-121 | 8-564 | ASTM F2005-21 Standard Terminology for Nickel- | Withdrawn and replaced |
| | | Titanium Shape Memory Alloys. | with newer version. |
| 8-193 | 8-565 | ASTM F2754/F2754M-21 Standard Test Method for | Withdrawn and replaced |
| | | Measurement of Camber Cast Helix and Direction of | with newer version. |
| | | Helix of Coiled Wire. | |
| 8-346 | 8-566 | ASTM F1813-21 Standard Specification for Wrought | Withdrawn and replaced |
| | | Titanium - 12 Molybdenum - 6 Zirconium - 2 Iron | with newer version. |
| | | Alloy for Surgical Implant (UNS R58120). | , , , , , , , , , , , , , , , , , , , |
| 8-353 | 8-567 | ASTM F86-21 Standard Practice for Surface | Withdrawn and replaced |
| 0 323 | 0 207 | Preparation and Marking of Metallic Surgical | with newer version. |
| | | Implants. | with newer version. |
| 8-355 | 8-568 | ASTM F1586-21 Standard Specification for Wrought | Withdrawn and replaced |
| 0-333 | 0-300 | Nitrogen Strengthened 21 Chromium-10 Nickel-3 | with newer version. |
| | | Manganese-2.5 Molybdenum Stainless Steel Bar for | with newer version. |
| | | | |
| 0.205 | 0.5(0 | Surgical Implants (UNS S31675). | XX7'41 1 1 1 1 |
| 8-385 | 8-569 | ASTM F648-21 Standard Specification for Ultra- | Withdrawn and replaced |
| | | High-Molecular-Weight Polyethylene Powder and | with newer version. |
| 0.000 | | Fabricated Form for Surgical Implants. | |
| 8-398 | 8-570 | ASTM F1108-21 Standard Specification for | Withdrawn and replaced |
| | | Titanium-6Aluminum-4Vanadium Alloy Castings for | with newer version. |
| | | Surgical Implants. | |
| 8-422 | 8-571 | ASTM F2052-21 Standard Test Method for | Withdrawn and replaced |
| | | Measurement of Magnetically Induced Displacement | with newer version. |
| | | Force on Medical Devices in the Magnetic Resonance | |
| | | Environment. | |
| 8-423 | 8-572 | ASTM F2565-21 Standard Guide for Extensively | Withdrawn and replaced |
| | | Irradiation-Crosslinked Ultra-High Molecular Weight | with newer version. |
| | | Polyethylene Fabricated Forms for Surgical Implant | |
| | | Applications. | |
| 8-424 | 8-573 | ASTM F2695-12(2020) Standard Specification for | Withdrawn and replaced |
| | | Ultra-High Molecular Weight Polyethylene Powder | with newer version. |
| | | Blended With Alpha-Tocopherol (Vitamin E) and | |
| | | Fabricated Forms for Surgical Implant Applications. | |
| 8-425 | 8-574 | ASTM F2820-12(2021)e1 Standard Specification for | Withdrawn and replaced |
| 0 .20 | | Polyetherketoneketone (PEKK) Polymers for Surgical | with newer version. |
| | | Implant Applications. | , , , , , , , , , , , , , , , , , , , |
| 8-443 | 8-575 | ASTM F3160-21 Standard Guide for Metallurgical | Withdrawn and replaced |
| 0 443 | 0 373 | Characterization of Absorbable Metallic Materials for | with newer version. |
| | | Medical Implants. | with newer version. |
| 8-450 | 8-576 | ASTM F451-21 Standard Specification for Acrylic | Withdrawn and replaced |
| 0-430 | 0-370 | Bone Cement. | with newer version. |
| 8-456 | 8-577 | | |
| 0-430 | 0-3// | ISO 13179-1 Second Edition 2021-09 Implants for | Withdrawn and replaced with newer version. |
| | | surgery Coatings on metallic surgical implants | |
| | | Part 1: Plasma-sprayed coatings derived from | Title change. |
| | | titanium or titanium-6 aluminum-4 vanadium alloy | |
| 0.460 | 0.550 | powders. | TTT: |
| 8-460 | 8-578 | ASTM F2848-21 Standard Specification for Medical- | Withdrawn and replaced |
| | | Grade Ultra-High-Molecular-Weight Polyethylene | with newer version. |
| | | Yarns. | |
| 8-515 | 8-579 | ISO 13779-3 Second Edition 2018-12 Implants for | Withdrawn and replaced |
| | | surgery Hydroxyapatite Part 3: Chemical | with newer version. |
| | | analysis and characterization of crystallinity ratio and | |
| | | phase purity [Including AMENDMENT 1 (2021)]. | |
| | | J. Nanotechnology | |
| | | No new entries at this time. | |
| | | | |

| | | ple 1Modifications to the List of Recognized Standards | | | |
|--|------------------------------|---|--|--|--|
| Old | Replacement | Title of Standard ¹ | Change | | |
| Recognition | Recognition | | | | |
| No. | No. | | | | |
| | K. Neurology | | | | |
| | | No new entries at this time. | | | |
| L. Obstetrics-Gynecology/Gastroenterology/Urology (OB-Gyn/G/Urology) | | | | | |
| | No new entries at this time. | | | | |
| | T | M. Ophthalmic | T | | |
| 10-73 | 10-127 | ANSI Z80.21-2020 American National Standard for | Withdrawn and replaced | | |
| | | Ophthalmics Instruments General-Purpose | with newer version. | | |
| | | Clinical Visual Acuity Charts. | | | |
| 10-87 | 10-128 | ASTM D882-18 Standard Test Method for Tensile | Withdrawn and replaced | | |
| 10.00 | 10.100 | Properties of Thin Plastic Sheeting. | with newer version. | | |
| 10-88 | 10-129 | ASTM D790-17 Standard Test Methods for Flexural | Withdrawn and replaced | | |
| | | Properties of Unreinforced and Reinforced Plastics | with newer version. | | |
| | | and Electrical Insulating Materials. | | | |
| 10-102 | 10-130 | ANSI Z80.36-2021 American National Standard for | Withdrawn and replaced | | |
| | | Ophthalmics Light Hazard Protection for | with newer version. | | |
| | | Ophthalmic Instruments. | | | |
| | 1 | N. Orthopedic | T | | |
| 11-239 | 11-385 | ASTM F2345-21 Standard Test Methods for | Withdrawn and replaced | | |
| | | Determination of Cyclic Fatigue Strength of Ceramic | with newer version. | | |
| | 11.006 | Modular Femoral Heads. | | | |
| 11-266 | 11-386 | ASTM F2665-21 Standard Specification for Total | Withdrawn and replaced | | |
| 11.00- | 11.20- | Ankle Replacement Prosthesis. | with newer version. | | |
| 11-305 | 11-387 | ASTM F1781-21 Standard Specification for | Withdrawn and replaced | | |
| | | Elastomeric Flexible Hinge Finger Total Joint | with newer version. | | |
| | 11.200 | Implants. | | | |
| 11-345 | 11-388 | ASTM F1717-21 Standard Test Methods for Spinal | Withdrawn and replaced | | |
| 11.2.20 | 11.200 | Implant Constructs in a Vertebrectomy Model. | with newer version. | | |
| 11-359 | 11-389 | ISO 7206-10 Second edition 2018-08 Implants for | Withdrawn and replaced | | |
| | | surgery Partial and total hip-joint prostheses Part | with newer version. | | |
| | | 10: Determination of resistance to static load of | | | |
| | | modular femoral heads [Including AMENDMENT 1 | | | |
| | | (2021)]. | | | |
| | | O. Physical Medicine | | | |
| | | No new entries at this time. | | | |
| 12 200 | 10.241 | P. Radiology | XX7'.1 1 1 1 1 1 | | |
| 12-299 | 12-341 | IEC 62563-1 Edition 1.2 2021-07 CONSOLIDATED | Withdrawn and replaced | | |
| | | VERSION Medical electrical equipment Medical | with newer version. | | |
| 12 200 | 12.242 | image display systems Part 1: Evaluation methods. | W:41-4 | | |
| 12-300 | 12-342 | NEMA DICOM PS 3.1 - 3.20 2021e Digital Imaging and Communications in Medicine (DICOM) Set. | Withdrawn and replaced with newer version. | | |
| | | Q. Software/Informatics | with newer version. | | |
| 13-46 | 1 | ASTM F2761-09 (2013) Medical Devices and | Withdrawn. See 13-120. | | |
| 13-40 | | | withdrawn. See 13-120. | | |
| | | Medical Systems - Essential safety requirements for equipment comprising the patient-centric integrated | | | |
| | | | | | |
| | | clinical environment (ICE) - Part 1: General | | | |
| | | requirements and conceptual model. | | | |
| 14 424 | 14.502 | R. Sterility | W/41-11 1 1 | | |
| 14-424 | 14-563 | ISO 13408-6 Second edition 2021-04 Aseptic | Withdrawn and replaced | | |
| | | processing of health care products Part 6: Isolator | with newer version. | | |
| 14 555 | 14 564 | systems. | Withdrawn and mania 1 | | |
| 14-555 | 14-564 | USP-NF M98910_01_01 <161> Medical Devices- | Withdrawn and replaced | | |
| 1.4.557 | 14.575 | Bacterial Endotoxin and Pyrogen Tests. | with newer version. | | |
| 14-556 | 14-565 | USP-NF M98802_01_01 <62> Microbiological | Withdrawn and replaced | | |
| | | Examination of Nonsterile Products: Tests for | with newer version. | | |
| 14 557 | 14.500 | Specified Microorganisms. | With dwarm and a land | | |
| 14-557 | 14-566 | USP-NF M98795_02_01 <55> Biological Indicators | Withdrawn and replaced | | |
| | | Resistance Performance Tests. | with newer version. | | |

| Old | Replacement | Title of Standard ¹ | Change |
|-------------|-----------------------|---|------------------------|
| Recognition | Recognition | | |
| No. | No. | | |
| 14-558 | 14-567 | USP-NF M7414_01_01 <1229.5> Biological | Withdrawn and replaced |
| | | Indicators for Sterilization. | with newer version. |
| 14-559 | 14-568 | USP-NF M98800_01_01 <61> Microbiological | Withdrawn and replaced |
| | | Examination of Nonsterile Products: Microbial | with newer version. |
| | | Enumeration Tests. | |
| 14-560 | 14-569 | USP-NF M98810_01_01 <71> Sterility Tests. | Withdrawn and replaced |
| | | | with newer version. |
| 14-561 | 14-570 | USP-NF M98830_02_01 <85> Bacterial Endotoxins | Withdrawn and replaced |
| | | Test. | with newer version. |
| | S. Tissue Engineering | | |
| 15-29 | | ASTM F2259-10 (Reapproved 2012)e1 Standard Test | Withdrawn. |
| | | Method for Determining the Chemical Composition | |
| | | and Sequence in Alginate by Proton Nuclear Magnetic | |
| | | Resonance (1H NMR) Spectroscopy. | |

All standard titles in this table conform to the style requirements of the respective organizations.

III. Listing of New Entries

In table 2, FDA provides the listing of new entries and consensus standards added as modifications to the list of recognized standards under Recognition List Number: 057. These entries are of standards not previously recognized by FDA.

Table 2.--New Entries to the List of Recognized Standards

| Recognition | Title of Standard ¹ | Reference No. and Date |
|-------------|--|--|
| No. | | |
| | A. Anesthesiology | |
| | No new entries at this time. | |
| | B. Biocompatibility | |
| | No new entries at this time. | |
| | C. Cardiovascular | |
| 3-176 | Cardiovascular implants and artificial organs Cannulae for extracorporeal circulation. | ISO 18193 First edition 2021- 08. |
| 3-177 | Standard Guide for Three-Point Bending of Balloon- | ASTM F2606-08 |
| | Expandable Vascular Stents and Stent Systems. | (Reapproved 2021). |
| 3-178 | Standard Guide for Radial Loading of Balloon-Expandable and | ASTM F3067-14 |
| | Self-Expanding Vascular Stents. | (Reapproved 2021). |
| 3-179 | Standard Guide for Design Verification Device Size and | ASTM F3172-15 |
| | Sample Size Selection for Endovascular Devices. | (Reapproved 2021). |
| 3-180 | Standard Test Method for Stent and Endovascular Prosthesis Kink Resistance. | ASTM F3505-21. |
| | D. Dental/Ear, Nose, and Throat (ENT) | |
| 4-285 | Dental Abrasive Powders. | ANSI/ADA Standard No. 37 - 1986 (R2020). |
| 4-286 | Dental Impression Trays. | ANSI/ADA Standard No. 87 - 1995 (R2014). |
| 4-287 | Oral Rinses (Modified adoption of ISO 16408:2015, Dentistry Oral Care Products - Oral Rinses). | ANSI/ADA Standard No. 116 - 2020. |
| 4-288 | Dentistry Mixing machines for dental amalgam. | ISO 7488 Second edition 2018-04. |
| 4-289 | Dentistry Intraoral spatulas. | ISO 18556 First edition 2016- 04. |
| 4-290 | Dentistry Integrated dental floss and handles. | ISO 28158 Second edition 2018-09. |

Table 2.--New Entries to the List of Recognized Standards

| No. | | Table 2New Entries to the List of Recognized Stand | | |
|---|--------|---|-------------------------------|--|
| Dentistry Products for external tooth bleaching. ISO 28399 First edition 2011-101. | _ | Title of Standard ¹ | Reference No. and Date | |
| Dentistry Screening method for crossion potential of oral rinses on dental hard tissue. | 4-291 | Dentistry Products for external tooth bleaching. | | |
| No new entries at this time. F. General II (Electrical Safety/Electromagnetic Compatibility) (ES/EMC) 19-42 Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements - 2020-10. 19-43 Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements - In viro diagnostic (IVD) modefuel equipment of measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In viro diagnostic (IVD) modefuel equipment. 19-44 American National Standard - Recommended Practice for In Situ RI Immunity Evaluation of Electronic Devices and Systems. G. General Hospital/General Plastic Surgery (GH/GPS) Standard Specification for Isolation Gowns Intended for Use in Healthcare Facilities. H. In Vitro Diagnostics (IVD) Radiological protection - Performance criteria for laboratories using the cytokinesis block micronucleus (CBMN) assay in peripheral blood lymphocytes for biological dosimentry by explaints of the Evaluation of In Vitro Medical Laboratory Tests. | 4-292 | | ISO 28888 First edition 2013- | |
| No new entries at this time. F. General II (Electrical Safety/Electromagnetic Compatibility) (ES/EMC) 19-42 Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements - 2020-10. 19-43 Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements - In viro diagnostic (IVD) modefuel equipment of measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In viro diagnostic (IVD) modefuel equipment. 19-44 American National Standard - Recommended Practice for In Situ RI Immunity Evaluation of Electronic Devices and Systems. G. General Hospital/General Plastic Surgery (GH/GPS) Standard Specification for Isolation Gowns Intended for Use in Healthcare Facilities. H. In Vitro Diagnostics (IVD) Radiological protection - Performance criteria for laboratories using the cytokinesis block micronucleus (CBMN) assay in peripheral blood lymphocytes for biological dosimentry by explaints of the Evaluation of In Vitro Medical Laboratory Tests. | | | | |
| Electrical equipment for measurement, control and laboratory use - FMC requirements Part 1: General requirements 2020-10. 19-43 Electrical equipment for measurement, control and laboratory use EMC requirements Part 2-6: Particular requirements In vitro diagnostic (IVD) medical equipment. 19-44 American National Standard Recommended Practice for In Situ RF Immunity Evaluation of Electronic Devices and Systems. G. General Hospital/General Plastic Surgery (GH/GPS) | | | , | |
| 19-43 Electrical equipment for measurement, control and laboratory use EMC requirements Part 2-6: Particular requirements In vitro diagnostic (IVD) medical equipment. 19-44 American National Standard Recommended Practice for In Situ RF Immunity Evaluation of Electronic Devices and Systems. G. General Hospital/General Plastic Surgery (GH/GPS) | | | | |
| use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment. | 19-42 | | | |
| American National Standard Recommended Practice for In Situ RF Immunity Evaluation of Electronic Devices and Systems. G. General Hospital/General Plastic Surgery (GH/GPS) | 19-43 | use EMC requirements Part 2-6: Particular requirements - | | |
| Standard Specification for Isolation Gowns Intended for Use in Healthcare Facilities. H. In Vitro Diagnostics (IVD) | 19-44 | American National Standard Recommended Practice for In Situ RF Immunity Evaluation of Electronic Devices and | ANSI/IEEE C63.24-2021. | |
| Healthcare Facilities. H. In Vitro Diagnostics (IVD) 7-309 Radiological protection Performance criteria for laboratories using the cytokinesis block micronucleus (CBMN) assay in peripheral blood lymphocytes for biological dosimetry. 11-15. 7-310 Radiological protection Performance criteria for service laboratories performing biological dosimetry by cytogenetics. ISO 19238 Second edition 2014-02-01. 7-311 A Hierarchical Approach to Selecting Surrogate Samples for the Evaluation of In Vitro Medical Laboratory Tests. 8-580 Eyewear display Part 20-10: Fundamental measurement methods Optical properties. I. Materials 8-581 Eyewear display Part 20-20: Fundamental measurement methods Image quality. IEC 63145-20-20 Edition 1.0 2019-09. 8-582 Eyewear display Part 20-20: Specific measurement methods for AR type Optical properties. IEC 63145-20-20 Edition 1.0 2020-01. 8-580 The Company of the Evaluation of the Evaluating Mobile Bearing Knee Tibial Baseplate/Bearing Resistance to Dynamic Disassociation. ASTM F2724-21. | | | PS) | |
| Radiological protection Performance criteria for laboratories using the cytokinesis block micronucleus (CBMN) assay in peripheral blood lymphocytes for biological dosimetry. | 6-474 | | ASTM F3352-19 | |
| using the cytokinesis block micronucleus (CBMN) assay in peripheral blood lymphocytes for biological dosimetry. Radiological protection — Performance criteria for service laboratories performing biological dosimetry by cytogenetics. 7-311 A Hierarchical Approach to Selecting Surrogate Samples for the Evaluation of In Vitro Medical Laboratory Tests. I. Materials 8-580 Eyewear display — Part 20-10: Fundamental measurement methods — Optical properties. 8-581 Eyewear display — Part 20-20: Fundamental measurement methods — Image quality. 8-582 Eyewear display — Part 20-20: Fundamental measurement methods — Image quality. 8-583 Eyewear display — Part 20-20: Specific measurement methods for AR type — Optical properties. 9-8-584 Eyewear display — Part 22-10: Specific measurement methods for AR type — Optical properties. 9-8-585 In Manotechnologies — Measurements of particle size and shape distributions by scanning electron microscopy. 18-20 Standard Guide for Visualization and Identification of Nanomaterials in Biological and Nonbiological Matrices Using Darkfield Microscopy/Hyperspectral Imaging (DFM/HSI) Analysis. 8-58 K. Neurology 10-58 No new entries at this time. 11-390 Implants for surgery — Pre-clinical mechanical assessment of spinal implants and particular requirements — Part 2: Spinal intervertebral body fusion devices. 11-391 Standard Practice for Evaluating Mobile Bearing Knee Tibial Baseplate/Bearing Resistance to Dynamic Disassociation. 11-393 Standard Test Method for Evaluating Mobile Bearing Knee Dislocation. | | | | |
| Radiological protection Performance criteria for service laboratories performing biological dosimetry by cytogenetics. A Hierarchical Approach to Selecting Surrogate Samples for the Evaluation of In Vitro Medical Laboratory Tests. | 7-309 | using the cytokinesis block micronucleus (CBMN) assay in | | |
| 7-311 A Hierarchical Approach to Selecting Surrogate Samples for the Evaluation of In Vitro Medical Laboratory Tests. I. Materials 8-580 Eyewear display Part 20-10: Fundamental measurement methods Optical properties. 8-581 Eyewear display Part 20-20: Fundamental measurement methods Optical properties. 8-582 Eyewear display Part 20-20: Fundamental measurement methods Image quality. 8-582 Eyewear display Part 22-10: Specific measurement methods for AR type Optical properties. J. Nanotechnology 18-19 Nanotechnologies Measurements of particle size and shape distributions by scanning electron microscopy. 18-20 Standard Guide for Visualization and Identification of Nanomaterials in Biological and Nonbiological Matrices Using Darkfield Microscopy/Hyperspectral Imaging (DFM/HSI) Analysis. K. Neurology No new entries at this time. L. Obstetrics-Gynecology/Gastroenterology/Urology (OB-Gyn/G/Urology) No new entries at this time. M. Ophthalmic No new entries at this time. N. Orthopedic 11-390 Implants for surgery Pre-clinical mechanical assessment of spinal implants and particular requirements Part 2: Spinal intervertebral body fusion devices. 11-391 Standard Practice for Evaluating Mobile Bearing Knee Tibial Baseplate Rotational Stops. Standard Test Method for Evaluating Mobile Bearing Knee Tibial Baseplate/Bearing Resistance to Dynamic Disassociation. | 7-310 | Radiological protection Performance criteria for service | | |
| Eyewear display Part 20-10: Fundamental measurement methods Optical properties. 2019-08. | 7-311 | A Hierarchical Approach to Selecting Surrogate Samples for the Evaluation of In Vitro Medical Laboratory Tests. | | |
| methods Optical properties. 8-581 Eyewear display Part 20-20: Fundamental measurement methods Image quality. 8-582 Eyewear display Part 22-10: Specific measurement methods for AR type Optical properties. 1. Nanotechnology 1. Nanotechnology | 0.700 | | HEG (2145 20 10 E1): 1.0 | |
| methods Image quality. 2019-09. | | methods Optical properties. | 2019-08. | |
| Standard For Surgery Pre-clinical mechanical assessment of spinal implants for surgery Pre-clinical mechanical assessment of spinal intervertebral body flusion devices. Standard Practice for Evaluating Mobile Bearing Knee Tibial Baseplate Rotational Stops. | 8-581 | methods Image quality. | 2019-09. | |
| Nanotechnologies Measurements of particle size and shape distributions by scanning electron microscopy. 107. | 8-582 | for AR type Optical properties. | | |
| distributions by scanning electron microscopy. Standard Guide for Visualization and Identification of Nanomaterials in Biological and Nonbiological Matrices Using Darkfield Microscopy/Hyperspectral Imaging (DFM/HSI) Analysis. K. Neurology No new entries at this time. L. Obstetrics-Gynecology/Gastroenterology/Urology (OB-Gyn/G/Urology) No new entries at this time. M. Ophthalmic No new entries at this time. No Orthopedic Implants for surgery Pre-clinical mechanical assessment of spinal implants and particular requirements Part 2: Spinal intervertebral body fusion devices. Il-391 Standard Practice for Evaluating Mobile Bearing Knee Tibial Baseplate Rotational Stops. Standard Test Method for Evaluating Mobile Bearing Knee Disassociation. Standard Test Method for Evaluating Mobile Bearing Knee Dislocation. ASTM F2723-21. | | | 1 | |
| Nanomaterials in Biological and Nonbiological Matrices Using Darkfield Microscopy/Hyperspectral Imaging (DFM/HSI) Analysis. K. Neurology No new entries at this time. L. Obstetrics-Gynecology/Gastroenterology/Urology (OB-Gyn/G/Urology) No new entries at this time. M. Ophthalmic No new entries at this time. N. Orthopedic Implants for surgery Pre-clinical mechanical assessment of spinal implants and particular requirements Part 2: Spinal intervertebral body fusion devices. Standard Practice for Evaluating Mobile Bearing Knee Tibial Baseplate Rotational Stops. Standard Test Method for Evaluating Mobile Bearing Knee Tibial Baseplate/Bearing Resistance to Dynamic Disassociation. Standard Test Method for Evaluating Mobile Bearing Knee Dislocation. ASTM F2723-21. | 18-19 | | | |
| No new entries at this time. L. Obstetrics-Gynecology/Gastroenterology/Urology (OB-Gyn/G/Urology) No new entries at this time. M. Ophthalmic No new entries at this time. No orthopedic Implants for surgery Pre-clinical mechanical assessment of spinal implants and particular requirements Part 2: Spinal intervertebral body fusion devices. Standard Practice for Evaluating Mobile Bearing Knee Tibial Baseplate Rotational Stops. Standard Test Method for Evaluating Mobile Bearing Knee Tibial Disassociation. Standard Test Method for Evaluating Mobile Bearing Knee ASTM F2723-21. Standard Test Method for Evaluating Mobile Bearing Knee Dislocation. ASTM F2724-21. | 18-20 | Nanomaterials in Biological and Nonbiological Matrices Using Darkfield Microscopy/Hyperspectral Imaging (DFM/HSI) | ASTM E3275-21. | |
| L. Obstetrics-Gynecology/Gastroenterology/Urology (OB-Gyn/G/Urology) No new entries at this time. M. Ophthalmic No new entries at this time. N. Orthopedic Implants for surgery Pre-clinical mechanical assessment of spinal implants and particular requirements Part 2: Spinal intervertebral body fusion devices. Standard Practice for Evaluating Mobile Bearing Knee Tibial Baseplate Rotational Stops. Standard Test Method for Evaluating Mobile Bearing Knee Tibial Baseplate/Bearing Resistance to Dynamic Disassociation. Standard Test Method for Evaluating Mobile Bearing Knee Dislocation. ASTM F2723-21. | | | | |
| No new entries at this time. M. Ophthalmic No new entries at this time. No new entries at this time. No orthopedic Implants for surgery Pre-clinical mechanical assessment of spinal implants and particular requirements Part 2: Spinal intervertebral body fusion devices. Standard Practice for Evaluating Mobile Bearing Knee Tibial Baseplate Rotational Stops. Standard Test Method for Evaluating Mobile Bearing Knee Tibial Baseplate/Bearing Resistance to Dynamic Disassociation. Standard Test Method for Evaluating Mobile Bearing Knee ASTM F2723-21. Standard Test Method for Evaluating Mobile Bearing Knee Dislocation. ASTM F2724-21. | | | | |
| M. Ophthalmic No new entries at this time. N. Orthopedic Implants for surgery Pre-clinical mechanical assessment of spinal implants and particular requirements Part 2: Spinal intervertebral body fusion devices. Standard Practice for Evaluating Mobile Bearing Knee Tibial Baseplate Rotational Stops. Standard Test Method for Evaluating Mobile Bearing Knee Tibial Baseplate/Bearing Resistance to Dynamic Disassociation. Standard Test Method for Evaluating Mobile Bearing Knee ASTM F2723-21. Standard Test Method for Evaluating Mobile Bearing Knee Dislocation. ASTM F2724-21. | | | n/G/Urology) | |
| No new entries at this time. N. Orthopedic Implants for surgery Pre-clinical mechanical assessment of spinal implants and particular requirements Part 2: Spinal intervertebral body fusion devices. Standard Practice for Evaluating Mobile Bearing Knee Tibial Baseplate Rotational Stops. Standard Test Method for Evaluating Mobile Bearing Knee Tibial Baseplate/Bearing Resistance to Dynamic Disassociation. Standard Test Method for Evaluating Mobile Bearing Knee ASTM F2723-21. Standard Test Method for Evaluating Mobile Bearing Knee Dislocation. ASTM F2723-21. | | | | |
| N. Orthopedic Implants for surgery Pre-clinical mechanical assessment of spinal implants and particular requirements Part 2: Spinal intervertebral body fusion devices. Standard Practice for Evaluating Mobile Bearing Knee Tibial Baseplate Rotational Stops. Standard Test Method for Evaluating Mobile Bearing Knee Tibial Baseplate/Bearing Resistance to Dynamic Disassociation. Standard Test Method for Evaluating Mobile Bearing Knee ASTM F2723-21. Standard Test Method for Evaluating Mobile Bearing Knee Dislocation. ASTM F2723-21. | | | | |
| Implants for surgery Pre-clinical mechanical assessment of spinal implants and particular requirements Part 2: Spinal intervertebral body fusion devices. Standard Practice for Evaluating Mobile Bearing Knee Tibial Baseplate Rotational Stops. Standard Test Method for Evaluating Mobile Bearing Knee Tibial Baseplate/Bearing Resistance to Dynamic Disassociation. Standard Test Method for Evaluating Mobile Bearing Knee ASTM F2723-21. Standard Test Method for Evaluating Mobile Bearing Knee Dislocation. | | | | |
| spinal implants and particular requirements Part 2: Spinal intervertebral body fusion devices. 11-391 Standard Practice for Evaluating Mobile Bearing Knee Tibial Baseplate Rotational Stops. 11-392 Standard Test Method for Evaluating Mobile Bearing Knee Tibial Baseplate/Bearing Resistance to Dynamic Disassociation. 11-393 Standard Test Method for Evaluating Mobile Bearing Knee ASTM F2724-21. 11-393 Standard Test Method for Evaluating Mobile Bearing Knee Dislocation. | 11 200 | | IGO 22000 2 F | |
| 11-391 Standard Practice for Evaluating Mobile Bearing Knee Tibial Baseplate Rotational Stops. Standard Test Method for Evaluating Mobile Bearing Knee Tibial Baseplate/Bearing Resistance to Dynamic Disassociation. Standard Test Method for Evaluating Mobile Bearing Knee Dislocation. ASTM F2722-21. ASTM F2723-21. ASTM F2724-21. | 11-390 | spinal implants and particular requirements Part 2: Spinal | | |
| 11-392 Standard Test Method for Evaluating Mobile Bearing Knee Tibial Baseplate/Bearing Resistance to Dynamic Disassociation. Standard Test Method for Evaluating Mobile Bearing Knee Dislocation. ASTM F2723-21. ASTM F2724-21. | 11-391 | Standard Practice for Evaluating Mobile Bearing Knee Tibial | ASTM F2722-21. | |
| Dislocation. | 11-392 | Standard Test Method for Evaluating Mobile Bearing Knee Tibial Baseplate/Bearing Resistance to Dynamic | ASTM F2723-21. | |
| | 11-393 | Standard Test Method for Evaluating Mobile Bearing Knee | ASTM F2724-21. | |
| | | | | |

Table 2.--New Entries to the List of Recognized Standards

| Recognition | Title of Standard ¹ | Reference No. and Date | |
|---|--|----------------------------|--|
| No. | Title of Standard | Reference Ivo. and Bate | |
| 16-232 | Medical electrical equipment Part 2-78: Particular | IEC 80601-2-78 Edition 1.0 | |
| | requirements for basic safety and essential performance of | 2019-07. | |
| | medical robots for rehabilitation, assessment, compensation or | | |
| | alleviation. | | |
| | P. Radiology | | |
| | No new entries at this time. | | |
| | Q. Software/Informatics | | |
| 13-120 | Medical Devices and Medical Systems - Essential safety | ANSI/AAMI 2700-1:2019. | |
| | requirements for equipment comprising the patient-centric | | |
| integrated clinical environment (ICE) - Part 1: General | | | |
| | requirements and conceptual model. | | |
| | R. Sterility | | |
| 14-571 | Sterilization of health care products Biological indicators | ISO 11138-8 First edition | |
| | Part 8: Method for validation of a reduced incubation time for a | 2021-07. | |
| | biological indicator. | | |
| S. Tissue Engineering | | | |
| | No new entries at this time. | | |

¹ All standard titles in this table conform to the style requirements of the respective organizations.

IV. List of Recognized Standards

FDA maintains the current list of FDA Recognized Consensus Standards in a searchable database that may be accessed at

https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfStandards/search.cfm. Such standards are those that FDA has recognized by notice published in the *Federal Register* or that FDA has decided to recognize but for which recognition is pending (because a periodic notice has not yet appeared in the *Federal Register*). FDA will announce additional modifications and revisions to the list of recognized consensus standards, as needed, in the *Federal Register* once a year, or more often if necessary.

V. Recommendation of Standards for Recognition by FDA

Any person may recommend consensus standards as candidates for recognition under section 514 of the FD&C Act by submitting such recommendations, with reasons for the recommendation, to CDRHStandardsStaff@fda.hhs.gov. To be considered, such recommendations should contain, at a minimum, the information available at https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance/standards-and-conformity-assessment-program#process.

Dated: April 18, 2022.

Lauren K. Roth,

Associate Commissioner for Policy.

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